

ABSTRACT

A new method and naming proxy are disclosed for resolving resource names over multiple subnets interconnected via a machine having multiple network interfaces. The disclosed system comprises a network naming proxy server embedded within the multi-interface machine. The naming proxy executes resource discovery requests over the multiple interfaces. The machine executes a RAS server that supports connections to a RAS client on a first interface and a local area network on a second interface. The naming proxy receives requests on the first interface and forwards naming queries corresponding to the received requests via the second interface. The naming proxy includes a resource name-to-address cache for temporarily storing the addresses that it receives for resources connected via the multiple network interfaces.